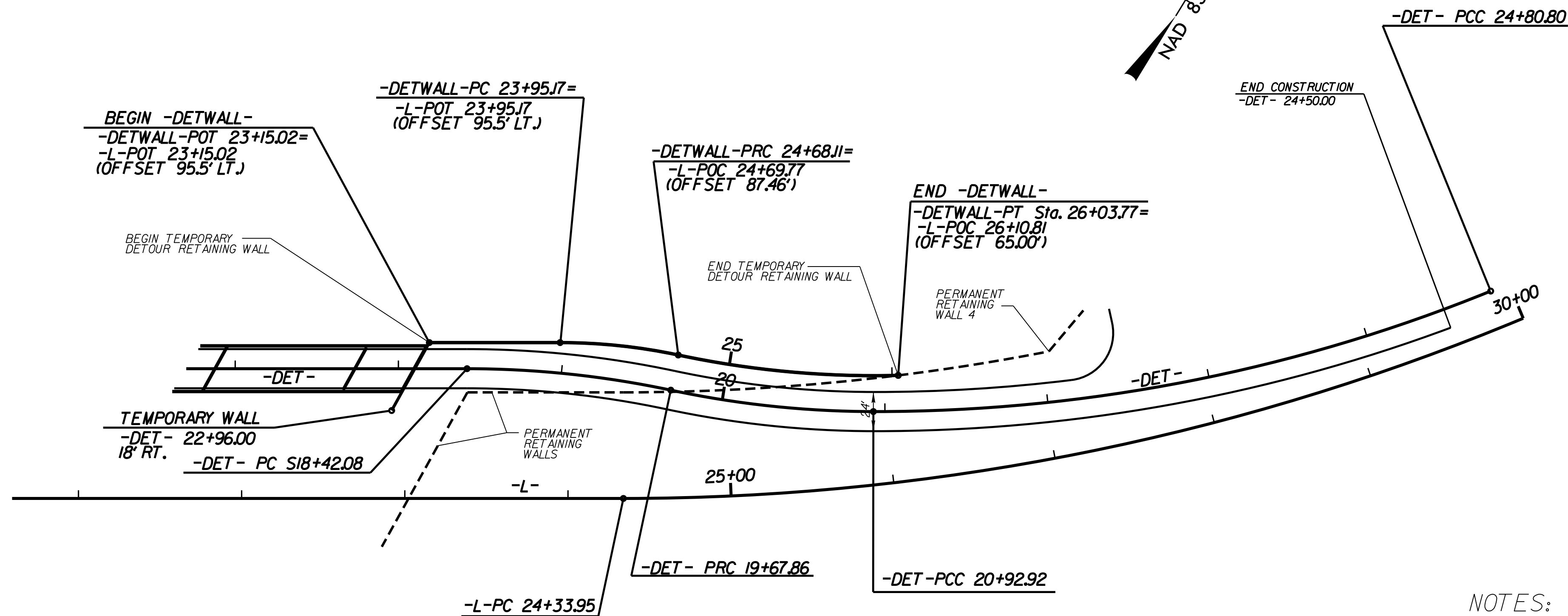


-DET WALL- (DETOUR WALL)



PLAN

SHOWING RELATIONSHIP BETWEEN
RETAINING WALL #4 AND TEMPORARY RETAINING WALL

NOTES:

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

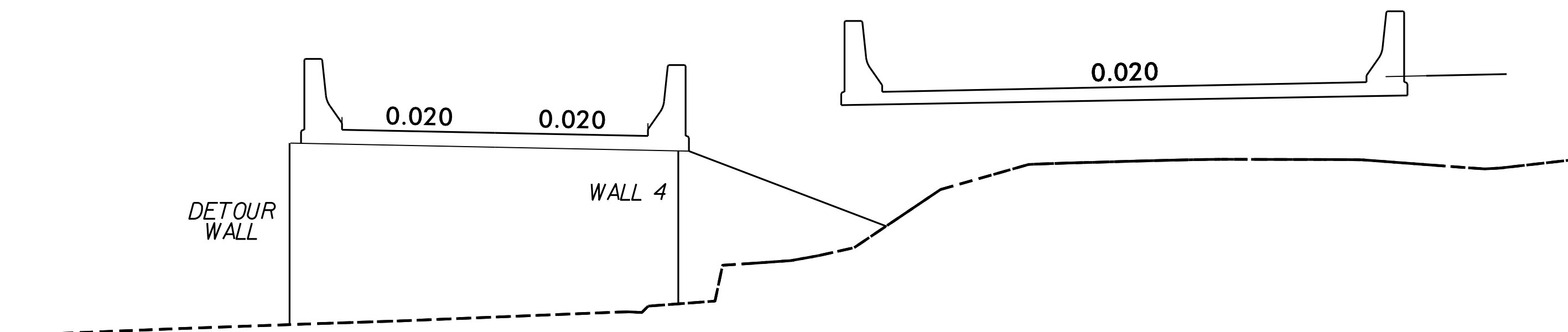
DESIGN TEMPORARY DETOUR SHORING FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY DETOUR SHORING. THE INFORMATION PROVIDED FOR TEMPORARY DETOUR SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY DETOUR SHORINGS. SEE STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR RETAINING WALLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR RETAINING WALLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.



ELEVATION

GEOTECHNICAL
ENGINEER

ENGINEER



DocuSigned by:
Shane C. Clark
7/15/2015
1F4E87ED0ADAE4
SIGNATURE DATE SIGNATURE DATE

PROJECT NO.: B-5136

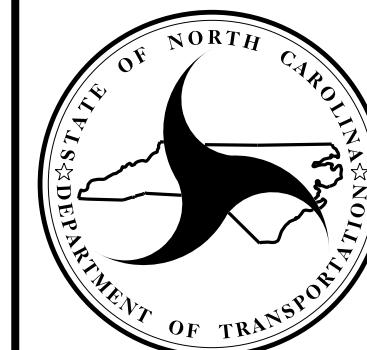
CABARRUS COUNTY

STATION: 23+15.02 -L- TO 27+79.03 -L-

SHEET 2 OF 2

GEOTECHNICAL ENGINEERING UNIT

- ☐ EASTERN REGIONAL OFFICE
☒ WESTERN REGIONAL OFFICE
☐ CONTRACT OFFICE



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TEMPORARY
RETAINING WALL

REVISIONS

NO.	BY	DATE	NO.	BY	DATE	SHEET NO.
1			3			W-13
2			4			TOTAL SHEETS
						13

PREPARED BY: EJS	DATE: 1/15
REVIEWED BY: SCC	DATE: 1/15